

TOPOGRAPHIC SURVEY CONTROL POINT RECORD

STATION LONG NAME	MU10
STATION NUMBER	MU10
4 CHAR ID	MU10
COUNTRY	IRAQ
LOCATION	AL MUTHANNA
SURVEYING AGENCY	IGRS
DATE (OF DESCRIPTION)	08 JUL 2005

CONTENTS	YES	NO	NO OF PAGES
FIELD COORDINATE VALUES	X		1
OFFICE COORDINATE VALUES	X		1
STATION MONUMENT & SITE DETAILS	X		1
STATION DIAGRAM	X		1
ACCESS MAP	X		1
ACCESS DESCRIPTION	X		1
APPROACH PHOTOGRAPHS	X		1
CARDINAL POINT PHOTOGRAPHS	X		2

RECORD OF VISITS

DATE OF VISIT	NAME	UNIT	REMARKS

ADDITIONAL DETAILS/ENCLOSURES

CONTENTS	NO OF PAGES

FIELD COORDINATE VALUES

STATION LONG NAME	MU10
4 CHAR ID	MU10
STATION NUMBER	MU10

THIS STATION IS NEW	YES
IDENTICAL / NEARLY IDENTICAL WITH	N/A

FIELD VALUES FROM THE RECEIVER / HAND HELD GPS – IN WGS84

LATITUDE N / S	29°42'31 N
LONGITUDE E / W	045°52'39 E
HT (M)	+239
GRID ZONE DESIGNATOR	38R
UTM / MGRS GRID	38R NT 84883 86815
SURVEYING AGENCY	IGRS

FIELD INPUT BY: LCPL HARRIS- HUGHES	UNIT: IGRS	DATE: 08 JUL 2005
FIELD CHECKED BY: SGT MOSTAFA	UNIT: IGRS	DATE: 08 JUL 2005

OFFICE COORDINATE VALUES

WGS 84 ADJUSTED VALUES AS AT: 25 Aug 05

LATITUDE N	29° 42' 30.81055''
LONGITUDE E	045° 52' 38.95888''
SPHEROIDAL HT (M)	225.573
EGM96 GEOID MODEL HT (M)	-7.196
ORTHOMETRIC HT (M)	232.769
VERTICAL DATUM	WGS 84
GEOID MODEL USED	EGM 96
RELATIVE TO	CORS STATIONS
RELATIVE POSITION ACCURACY (M)	0.018
RELATIVE HEIGHT ACCURACY (M)	0.012
ADJUSTING AGENCY	OPUS
ADJUSTMENT DATE	25 AUG 2005

LOCAL DATUM VALUES AS AT: 25 Aug 05

SPHEROID	N/A
PROJECTION	N/A
GRID	N/A
VERTICAL DATUM	N/A
LATITUDE N / S	N/A
LONGITUDE E / W	N/A
EASTINGS (M)	N/A
NORTHINGS (M)	N/A
SPHEROIDAL HT (M)	N/A
ORTHOMETRIC HT (M)	N/A
GRID ZONE DESIGNATOR	N/A
TRANSFORMATION AGENCY	N/A
TRANSFORMATION DATE	N/A

GRAVITY VALUE: N/A	TYPE OF STN: N/A	REF: N/A
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AIR PHOTO: N/A	REF: N/A	SCALE: N/A
IMAGERY: N/A	REF: N/A	SCALE: N/A

OFFICE INPUT BY: LCPL COWARD	UNIT: IGRS	DATE: 25 AUG 2005
OFFICE CHECKED BY: LCPL DICKEN	UNIT: IGRS	DATE: 25 AUG 2005

STATION MONUMENT AND SITE DETAILS

STATION LONG NAME: MU10	
STATION NUMBER: MU10	4 CHAR ID: MU10
LOCATION: AL MUTHANNA	COUNTRY: IRAQ
STATION ADDRESS: N/A	
TEL: N/A	FAX: N/A
LAND OWNER ADDRESS: N/A	
TEL: N/A	FAX: N/A
TYPE OF MARK: HARN	
CONDITION: GOOD	
MARK SETTING: FINE MARK ON REBAR	NO OF REBARS: 1

MONUMENT PHOTO / SKETCH



PREPARED BY: LCPL HARRIS-HUGHES	UNIT: IGRS	DATE: 08 JUL 2005
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STATION DIAGRAM

STATION LONG NAME: MU10

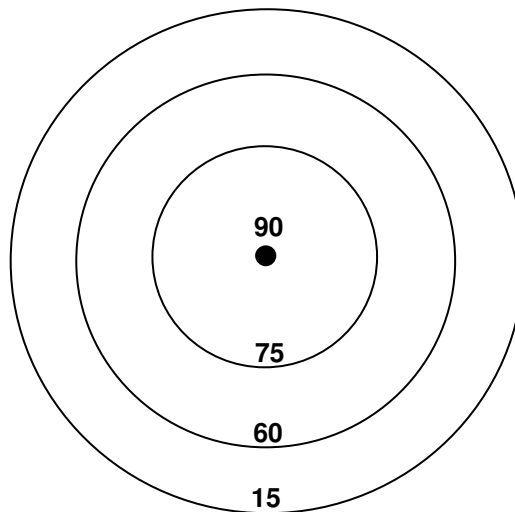
STATION NUMBER: MU10

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GPS NEEDED TO LOCATE POINT

NO	DESCRIPTION	BRG/HORZ ANGLE	DISTANCE
1			
2			
3			
4			

OBSCURITY DETAILS



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ACCESS MAP

STATION LONG NAME: MU10

STATION NUMBER: MU10

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MAP DETAILS

SERIES: K643

SHEET: 5149

EDITION: 1-DMA

SCALE: 1:100,000

GR: 38R NT 84883 86815



PREPARED BY: LCPL HARRIS- HUGHES

UNIT: IGRS

DATE: 08 JUL 2005

CHECKED BY: SGT MOSTAFA

UNIT: IGRS

DATE: 08 JUL 2005

ACCESS DESCRIPTION

STATION LONG NAME: MU10	
STATION NUMBER: MU10	4 CHAR ID: MU10

MAP DETAILS	SERIES: K643	SHEET: 5149
EDITION: 1-DMA	SCALE: 1:100,000	GR: 38R NT 84883 86815

From major junction at GR 38R MU 595 815 proceed east for 104km, from there proceed south east for 75km to GR 38R NT 84883 86815.

GPS is needed to locate point as it is in the middle of the desert.

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APPROACH PHOTOGRAPHS

STATION LONG NAME: MU10	
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NEAR APPROACH FROM NORTH



FAR APPROACH FROM NORTH



TAKEN BY: SGT MOSTAFA	DATE TAKEN: 08 JUL 2005
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CARDINAL PHOTOGRAPHS

STATION LONG NAME: MU10	
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NORTH



SOUTH



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CARDINAL PHOTOGRAPHS

STATION LONG NAME: MU10	
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EAST



WEST



TAKEN BY: SGT MOSTAFA	DATE TAKEN: 08 JUL 2005
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